

1st tag = biotin

R = avidin

label enzyme ← 2nd tag = phosphorylate
 serine, tyro
 substrate R = Antibody

What is claimed is:

1. An article of manufacture comprising, packaged together:
 - (i) a reporter molecule comprising a fluorescent label and a phosphorylated amino acid,
 - (iii) an antibody which selectively binds to a molecule comprising said phosphorylated amino acid; and
2. The article of manufacture of claim 1 wherein said phosphorylated amino acid is selected from the group consisting of serine, threonine and tyrosine;
3. The article of manufacture of claim 1 further comprising a phosphate source.
4. The article of manufacture of claim 1 further comprising a phosphate acceptor.
5. The article of manufacture of claim 1 further comprising a substrate molecule comprising the same amino acid molecule that is phosphorylated in said reporter molecule.
6. The article of manufacture of claim 1 further comprising an enzyme
7. The article of manufacture of claim 5 wherein said substrate molecule is labeled with an acceptor fluorophore and wherein said antibody is labeled with a donor fluorophore which corresponds to the acceptor fluorophore labeling said substrate molecule.
8. The article of manufacture of claim 5 wherein said substrate molecule is labeled with an donor fluorophore and wherein said antibody is labeled with a acceptor fluorophore which corresponds to the donor fluorophore labeling said substrate molecule.

clm. 1 1. Reporter = fluorescent label + phosphorylated aa
 donor fluorophore. Ab which binds to phosphorylated aa
 acceptor fluorophore - phosphate source
 - phosphate acceptor
 substrate ⇒ w. phosphorylated aa.
 enzyme